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# BULLETIN

## IHI President, Mr Tamotsu Saito, Visits JEL

On 24 July 2013, JEL had the honour of welcoming Mr Tamotsu Saito—President of IHI Corporation, Japan—on his visit to JEL. Senior Management from JEL gathered to warmly receive Mr Saito and his delegation. After the exchange of pleasantries, the guests were briefed on JEL’s business operations and later introduced to JEL’s multinational workforce during a walkabout to the various departments.



Mr Tamotsu Saito with JEL Management Team

The next evening, Mr Tamotsu Saito attended JEL’s reception at the Ritz Carlton Hotel, which was held in appreciation of Mr Seiichi Daita’s loyal and dedicated service to JEL and also to introduce Mr Hiroshi Ide, who will succeed Mr Seiichi Daita as the new Managing Director and Chief Executive Officer of JEL.

More than 300 distinguished guests, clients and business associates attended the reception, including His Excellency, Mr Yoichi Suzuki, the Ambassador of Japan to Singapore. After a round of speeches, the guests were treated to a performance by JEL’s staff—dressed in colourful costumes that showcased their varied nationalities—singing the JEL Corporate Song titled “Rising to the Challenge”; followed by a sumptuous dinner.

It was indeed a memorable night for all present at the reception.



### HIGHLIGHTS

- 1 ♦ IHI President, Mr Tamotsu Saito, Visits JEL
- 2 ♦ Message by Mr. Tamotsu Saito, President and CEO of IHI
- 3 ♦ Message by Mr. Hiroshi Ide, Managing Director of JEL
- 4 ♦ The Vale Project in Malaysia
  - ♦ EESB Achieves Another LTI-Free Safety Milestone
  - ♦ EESB Team Did It Again

### 5 ♦ JML UPDATES

- 6 ♦ On-time Delivery, Defect-Free Products and Customer Satisfaction for Alstom’s Combined Cycle Power Plant Project
- 7 ♦ Earning the Coveted 2013 ASEAN Energy Award - Sahacogen Green Co., Ltd.
- 8 ♦ Jurong Lake Run 2013
  - ♦ Win Prizes in Our Lucky Draw

## Message by Mr. Tamotsu Saito, President and CEO of IHI



160 years have passed since IHI was established. This year marks the 50th anniversary of operations in Singapore, since Jurong Shipyard was established in 1963. This is a very memorable year for us and we are happy to start a new chapter of our company's history.

Let me take this opportunity to introduce our three-year management policy to you. The "Group Management Policy 2013" was introduced this April.

The key words of this management policy are "Future Growth" and "Tsunagu". "Tsunagu" means "to link" in English. We would like to introduce three "Tsunagu" connecting functions. Firstly, to link the connection between our existing businesses and to offer our advanced solutions and cutting-edge technology to satisfy the needs and requirements of our customers. Secondly, to use Information Communication Technology to link our products and services, such as inventing preventive maintenance technology. Thirdly, to link our business network of customers and partners by providing communication support within our global network.

JEL became an independent entity in 1971 and has provided advanced solutions and plant construction to a broad range of customers for more than 40 years. Although, the IHI Group currently holds 95% of its shares, JEL is managed by individuals from different nationalities and operates independently. Historically, JEL has been a pioneer in expanding the global businesses of the IHI Group.

Leveraging on Information Communication Technology to create linked and integrated products and services is a future challenge for JEL and this is an area where JEL may need future assistance from IHI.

I am confident that, with the support of our customers

and partners, we can be successful in meeting the needs of our customers, especially with our global reach and advanced solutions. The JEL Group has extensive experience in creating totally integrated solutions to cater to the needs of our customers. I would like to thank Mr. Daita, the former Managing Director of JEL for his devotion and contribution. Since Mr. Daita was appointed the Managing Director of JEL in 2009, he has contributed to the growth of JEL for 4 subsequent years. I would also like to thank Chairman, Mr. Bob Tan, JEL's Board Members and staff for their support and contribution all these years.

The new Managing Director of JEL, Mr. Hiroshi Ide, joined IHI in 1983 and started his career in thermal power plant international sales for Southeast Asia. He took charge of IHI's Kuala Lumpur branch from 2000 to 2007. Then, he took charge of the Global Strategic Planning Department at the IHI headquarters. Due to his experience and vitality, we consider him a top talent, one who is able to take charge of JEL. JEL is a core part of our Southeast Asia business and Mr. Ide's talents will no doubt complement our growth in this area.

There is no doubt that Asia is leading the world economy in spite of increased complications. We are confident that the growth in Asia will continue to support the world's economy for the next few years. JEL has more than 40 years of experience, has strong roots in Southeast Asia and a strong people network. In times of increasingly complex markets, it is essential for JEL to have a diverse talent pool with a diverse mindset to respond to new challenges. We will do everything we can to support JEL. Lastly, I would like to express my sincere appreciation to the Government of Singapore, and our customers and partners who have supported Mr. Daita. I truly hope that the same support will continue for Mr. Ide.

## Message by Mr. Hiroshi Ide, Managing Director of JEL



Mr. Hiroshi Ide

It was in 1987 when I first visited JEL. I still remember that I was surprised at how this small multinational company was already operating globally then. At that time, the JEL Group turnover was only S\$100 million but it was already operating in ASEAN, India and the Middle East.

Since then, for over 25 years, I have worked with JEL on many projects and have learnt a lot from first-hand experiences on the front-line. It is fitting to say that JEL has been a mentor to me in my professional career and I am glad to have joined the JEL Management team.

Today, with a workforce of more than 5,000 employees consisting of various nationalities, JEL and its group of companies have managed to secure S\$520 million in sales last year. I would like to take this opportunity to express my heartfelt gratitude to our valued customers and business partners for the strong support extended to JEL and its group of companies.

I am confident that JEL and its group of companies will continue to grow steadily for years to come. However, it should be recognized that, in tandem with growth, we have to continue to improve our approach to safety, quality and competitiveness, in order to meet the expectations of our esteemed customers and partners.

JEL's corporate song, "Rising to the Challenge", embodies our corporate spirit. In line with this spirit, we aim to rise to the occasion and overcome each and every challenge that comes our way.

Lastly, I wish to express my gratitude to the former Managing Director of JEL, Mr. Daita, for his invaluable contribution to JEL and its group of companies for the past 4 years. As Managing Director of JEL, Mr. Daita was instrumental in driving JEL's growth during his tenure.



Mr. Seiichi Daita, the former MD of JEL, has been re-assigned to lead IHI Shibaura Machinery Corporation in Japan

## The Vale Project in Malaysia

Beginning March 2013 our EESB team was mobilized to construct Vale's iron ore distribution centre in Perak, Malaysia. By the end of August 2013 the team achieved a physical progress of 51% compared to the planned 38%. An approximate 6,507 tonnes of steel structure, 15,160 metres of pipe lines and 1,460 metres of rails were assembled and erected.

Major structures like transition towers, two (2) conveyor import systems, pipe and cable racks, and a power substation are required to be completed by mid-November this year; while the remaining assets export systems are scheduled to be completed by early next year.

Despite the heavy workload and tight schedule, our EESB team relentlessly and continuously worked towards meeting our clients demands whilst maintaining the safety and quality of work.



An aerial photograph for Major Import Wharf (Photo source: Vale)

## EESB Achieves Another LTI-Free Safety Milestone

On 3 September 2013, our EESB team at the Vale Malaysia Minerals Project (VMMP) celebrated 387,565 man-hours free of Lost-Time Injury (LTI) as of 30 August 2013. This represents another major safety milestone achieved by the 587 registered workers involved in the project.

A certificate and a flask were given to the nine (9) most safety-conscious workers as a token of appreciation for their good efforts. The awards were presented to the workers during the safety toolbox talk by our Safety Manager, Mr. Devadass Subramaniam; together with Vale Health & Safety Project Leader, Mr. Vijayan Sinnasamy; and Vale (A&T) Offshore Construction Manager, Mr. Leonardo Paiva. Mr. Vijayan congratulated our team for achieving this milestone and expressed his gratitude for our cooperation and good safety practices.

In addition to his speech, Mr. Vijayan also emphasized that we had reached a critical phase in the project and advised our team not to be complacent after such an achievement. Our team was

reminded to be more vigilant and maintain this high standard of safety practices until the end of the project.



A group photo after the ceremony together with Vale and A&T representatives.

## EESB Team Did It Again

During the Monthly Health and Safety Committee Meeting on 29 August 2013, our EESB team at the Vale Malaysia Minerals Project was awarded "Best Safety Practitioner" for the month of June 2013. This is the second time EESB has received this award. A certificate for Outstanding Performance was also received.



EESB Site Manager, Mr. Frederic Torres (right), receiving a trophy from Health & Safety Project Leader, Mr. Vijayan Sinnasamy (left)



A group photo of the EESB Health & Safety Team at Vale Malaysia Minerals Project (VMMP)

## JML UPDATES

### 500,000 Safe Man-hours at 3 x 200 TPH Boiler Erection works at SMUF

JML achieved 500,000 Safe Man-hours in September 2013 for the 3 x 200 TPH Boiler Erection works at Sembcorp's Multi-utility Facility. The JML Management Team attended the safety award celebrations and congratulated the site team on achieving this milestone.

### KAP Energy Conservation Solvent Recovery Unit Revamping

Kuraray Asia Pacific Pte Ltd has been added to JML's growing list of clientele. Two maintenance jobs have been secured—one for executing shutdown maintenance works directly under Kuraray, and the other for Energy Recovery Unit Revamping works under our valued customer Sumitomo Chemical Engineering Singapore Pte Ltd.



### Overhaul and Repair of Extruder (P-380) – 2 units at Chevron Phillips Singapore Chemicals (Private) Limited

The shutdown maintenance work comprised of cleaning and servicing the gearboxes, Lubrication Oil System and Hydraulic Screen Changer System. The replacement of equipment spare parts was completed in line with the specifications and instructions by the CPSC Engineer and Japan Steel Works representative.



### Major Outage Unit #30 – Replacement of Primary Super Heater Tubes at Tanjung Bin Power Plant, Johor, Malaysia

The shutdown maintenance work included the removal of old super heater tubes in Unit #30 and replacement with new T22 tubes under IPSM Malaysia. The quantum includes 3,100 Tube joints and 271 numbers of panel lifting. The short duration of 29 days and limited work access were some of the challenges faced for this job.



### 100MW GE Steam Turbine Overhaul Works at Prai Power Plant, Malaysia

The scope of overhaul works included Major Inspection for 30 days, removal of rotor, bearing and nozzle, followed by sand blasting. PT and UT checks were also carried out on the equipment and realigned.



Sending nozzle diaphragm for blasting



Upscale lifting



Arrangements for rotor sand blasting

# On-time Delivery, Defect-Free Products and Customer Satisfaction for Alstom's Combined Cycle Power Plant Project



Alstom recently created a new business for design, supply, fabrication and assembly of modules for power plant construction and has subcontracted to JEL the partial supply, fabrication and assembly of pipe rack, cable tray and small pipe rack modules for a Combined Cycle Power Plant Project it secured.

JEL's success in being awarded the subcontract was attributed to its competitive pricing and highly regarded experience on module assembly works from Alstom's projects in Singapore. This is the first subcontract module job directly secured by JEL from Alstom Power, Switzerland.

The erection works for this Project will be undertaken by other Alstom subcontractors. The modules will be assembled at the JEL shop (Ex-works) and the transportation from shop to the site will be arranged by Alstom Power.

The purchase order was received and agreed on in February 2013 for a total of 20 modules (comprising of Main Pipe Rack, Cable Tray Rack and Small Pipe Rack) for Unit 1 & Unit 2 of this Project.

The challenges that were faced for this project was the very tight budget and short committed schedule for each unit. Since the schedule for fabrication and assembly was short, we needed to source for more manpower and the right subcontractor and material suppliers in order to complete all 20 modules within 4 months.

The fabrication works commenced at end April 2013. We completed 10 modules for Unit 1 on 15 July 2013 and 10 modules

for Unit 2 on 15 August 2013, as per the agreed baseline schedule. The timely and smooth progress was achieved through proper planning, monitoring and good teamwork throughout the job process, starting from the shop drawings to the ordering of materials, and the sourcing of manpower and right subcontractors for this Project.

These challenges and obstacles were also overcome through the strong support from Management, and the good coordination and cooperation from our Engineers, Supervisors, as well as all subcontractors.

Alstom's close working relationship and good cooperation with our Project Team was also instrumental to the smooth work flow. They responded quickly to all our technical queries during the construction period, thus enabling the successful adherence of the baseline schedule.

This fast track Module Project has garnered excellent comments from Alstom's Client; and this high regard has led to a Module Frame Agreement between JEL and Alstom Power for modules in South East Asia as well as other countries, and high chances of new orders from Alstom Power for their future Module projects outside Singapore.

## Earning the Coveted 2013 ASEAN Energy Award - Sahacogen Green Co., Ltd



Mr Viroj Theeravatvatee, Managing Director, Sahacogen (Chonburi) Public Company Ltd; and Mr Koh Kew Sek, Managing Director, Thai Jurong Engineering Limited

Sahacogen Green Co., Ltd. has installed one new Biomass-fired Cogeneration Power Plant in the Lamphun Saha Group Industrial Park located at Ampoe Maung, Lamphun Province, in the northern region of Thailand, 670 km north of Bangkok.

The new Biomass-fired Power Plant has a maximum gross output of 9.9 MW at the generator terminal; the primary fuel being woodchips and the secondary fuel are corncobs and rice husks. The generated electricity of 8.0 MW is being sold to the PEA via 22 KV grid under the VSPP (Very Small Power Producer) firm scheme.

The extraction steam of 25 TPH (ton per hour) from the power plant is being supplied to customers in the industrial park.

JEL and TJEL executed this project on a full EPC lump sum turnkey arrangement. JEL was responsible for the design and supply of major equipment and materials; and TJEL was responsible for the custom clearance, supply of local equipment and materials, delivery to site, construction, erection, installation, commissioning and testing of the works before acceptance by the Owner.

The Power Plant comprises of one (1) boiler—travelling grate stoker-fired type supplied by Thermax—and one (1) extraction cum condensing type turbine generator supplied by HTC, together with all of the ancillary systems needed to make up a complete station, including the flue gas conditioning, fuel and ash handling systems.

Special attention was paid to the design of the boiler to meet the stringent emission requirements. A state-of-art electrostatic precipitator was installed to limit the particulate emissions under all fuel firing combinations. The Furnace and Combustion System was also custom-designed to limit the NOx emission levels.

The Plant was handed over to the Owner within the time-frame agreed, after successfully running the Plant in a continuous



and reliable manner for 168 hours, and after demonstrating the following Plant Guarantees:

- Boiler Maximum Continuous Rating
- Net Power Output
- Net Heat Rate
- Process Steam Supply
- Emission Levels
- Noise Levels

Although the Plant was originally designed for woodchips as the primary fuel, the Owner has been prudently operating the Plant based on combination-firing of various bio-mass fuels to meet the fuel logistics and availability, without any compromise on the power output and emission levels. This has earned them the coveted 2013 ASEAN Energy Award. JEL and TJEL pride themselves for having played their part in this Plant.

# Jurong Lake Run 2013



We had a fun time at the Jurong Lake Run held on 7 July 2013, even though we had to sacrifice our beauty sleep on a beautiful Sunday morning to wake before sunrise to join the run.

The Jurong Lake Run was organized by the Taman Jurong Community Sports Club and comprised three main categories -

3 km walk, 6 km run and a 10 km run. The route chosen by the organizers was scenic as the Jurong Lake Park, Chinese Garden and Japanese Garden were all part of the route.

It was encouraging to have an enthusiastic group of runners from JEL participating in the event. Congratulations to all runners who completed the race.

## Lucky Draw

### Contest

We are giving away 5 (five) NTUC Vouchers worth S\$20.00 each, sponsored by the Corporate Affairs Division, to the first 5 (five) correct entries picked.

Simply answer all five questions and send your answers, together with your name and address, to dewie@jel.com.sg or to 25 Tanjong Kling Road, Singapore 628050.  
(Hint: answers can be found in this issue)

Name: \_\_\_\_\_ NRIC: \_\_\_\_\_

Address: \_\_\_\_\_

The questions for the contest are:

1. What are the two key words from IHI's "Group Management Policy 2013" that were mentioned in Mr Saito's message?  
\_\_\_\_\_
2. Name the three main categories for the Jurong Lake Run.  
\_\_\_\_\_
3. What were the challenges faced by JML at the Tanjung Bin Power Plant in Johor, Malaysia?  
\_\_\_\_\_
4. What token gift did the nine (9) most safety conscious workers of the Vale Malaysia Minerals Project (VMMP) receive for their good efforts?  
\_\_\_\_\_
5. Briefly explain how Sahacogen Green Co., Ltd earned the coveted 2013 ASEAN Energy Award.  
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## Contact

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